

## 2012 Maryland eBird Stats

### Distribution of species and checklists by county and month and change from 2011

Overall, ebirders submitted 58,180 checklists for 354 species in the state of Maryland in 2012.

County	Species (# Change)	Checklists (% Change)
Allegany	203 (4)	862 (19.6%)
Anne Arundel	275 (3)	5,073 (21.0%)
Baltimore	282 (20)	5,408 (23.4%)
Calvert	240 (-3)	972 (-14.6%)
Caroline	208 (4)	858 (-32.0%)
Carroll	196 (-8)	1,026 (-16.9%)
Cecil	245 (29)	1,029 (28.3%)
Charles	196 (-19)	445 (-34.7%)
Dorchester	264 (7)	2,237 (2.6%)
Frederick	221 (-4)	2,551 (14.3%)
Garrett	208 (0)	1,346 (-6.1%)
Harford	248 (8)	1,734 (27.8%)
Howard	241 (13)	5,974 (54.3%)
Kent	234 (-8)	1,901 (41.8%)
Montgomery	257 (10)	5,365 (24.8%)
Prince George's	251 (7)	3,019 (20.5%)
Queen Anne's	250 (7)	2,383 (25.0%)
Somerset	227 (-1)	1,394 (53.0%)
St Mary's	238 (-7)	1,715 (7.9%)
Talbot	261 (-6)	4,155 (46.1%)
Washington	189 (-13)	866 (-14.6%)
Wicomico	223 (-10)	1,527 (6.0%)
Worcester	306 (-10)	6,298 (1.0%)
<b>Total</b>	<b>5,463 (23)</b>	<b>58,138 (17.8%)</b>

Month	Species (# Change)	Checklists (% Change)
January	200 (14)	6,222 (15.6%)
February	202 (14)	5,767 (29.2%)
March	207 (22)	5,706 (3.8%)
April	257 (-8)	5,943 (2.1%)
May	274 (1)	6,033 (1.5%)
June	244 (-6)	3,760 (7.9%)
July	228 (-5)	2,848 (5.0%)
August	258 (18)	4,287 (32.9%)
September	267 (13)	4,522 (38.5%)
October	262 (2)	4,583 (57.9%)
November	235 (4)	4,468 (28.4%)
December	192 (-8)	4,041 (27.0%)
<b>Total</b>	<b>2,826 (61)</b>	<b>58,180 (17.9%)</b>

Year	Total Checklists	Complete Checklists	Percent Complete
<b>2012</b>	58,180	39,278	67.5%
<b>2011</b>	49,352	33,223	67.3%

**Most and Least Observed** – The following tables list the top 20 most and least observed species in Maryland during 2012 according to the percentage of checklists on which they appear.

20 Most Observed Birds of 2012	
Species	Checklist Percentage
Northern Cardinal	52.91%
Carolina Wren	45.63%
American Crow	43.23%
Carolina Chickadee	42.56%
Tufted Titmouse	39.63%
American Robin	38.76%
Blue Jay	38.63%
Mourning Dove	37.44%
Canada Goose	37.19%
American Goldfinch	36.49%
Red-bellied Woodpecker	36.37%
Turkey Vulture	34.82%
Downy Woodpecker	32.70%
European Starling	31.70%
Northern Mockingbird	30.13%
Red-winged Blackbird	29.76%
Song Sparrow	29.49%
Great Blue Heron	28.55%
Mallard	27.98%
White-throated Sparrow	24.33%

20 Least Observed Birds of 2012	
Species	Checklist Percentage
Swallow-tailed Kite	0.0018%
Western Tanager	0.0019%
Common Murre	0.0024%
Painted Bunting	0.0024%
Swainson's Hawk	0.0025%
Yellow Rail	0.0026%
Thayer's Gull	0.0029%
Allen's Hummingbird	0.0031%
Herald Petrel	0.0045%
Atlantic Puffin	0.0047%
Arctic Tern	0.0066%
Bicknell's Thrush	0.0095%
Mississippi Kite	0.0101%
White-winged Dove	0.0102%
Black Rail	0.0108%
Black-capped Petrel	0.0113%
Franklin's Gull	0.0129%
Audubon's Shearwater	0.0135%
Eared Grebe	0.0141%
Parasitic Jaeger	0.0152%

**Species Frequency Changes** – The following tables show species frequency data in Maryland and changes in frequency between 2011 and 2012 as defined by percentage of ebird checklists. The tables show checklist percentages for four time periods; the five-year average of 2005-2009, 2010, 2011 and 2012. The sample size (# of complete checklists) is also listed for each time period. The final column represents the percentage difference in checklist frequency from 2011 to 2012. The first two tables show the largest increases and decreases in checklist frequency (top 40). These tables are limited to species that appear in at least 0.5% of ebird checklists. **Please note** – Care should be taken not to necessarily assign increases or decreases to changes in a species population. A shift in the pattern of eBird reporting (habitat, season, chasing) will also affect checklist frequencies.

<b>Largest increases in species frequencies from 2011 to 2012 according to eBird data</b>					
	2005-2009 (43,513)	2010 (25,759)	2011 (33,223)	2012 (39,278)	Change from 2011
<b>Red-breasted Nuthatch</b>	3.30%	3.31%	1.36%	6.99%	413.84%
<b>Pine Siskin</b>	2.41%	1.02%	0.60%	2.92%	387.34%
<b>Purple Finch</b>	2.19%	2.09%	0.70%	2.25%	221.25%
<b>Blackburnian Warbler</b>	0.57%	0.51%	0.57%	0.89%	56.69%
<b>Swainson's Thrush</b>	1.18%	1.09%	0.82%	1.27%	55.14%
<b>Golden-crowned Kinglet</b>	5.50%	4.78%	3.73%	5.66%	51.64%
<b>Blue-headed Vireo</b>	1.25%	1.24%	0.98%	1.38%	40.70%
<b>Rose-breasted Grosbeak</b>	1.60%	1.12%	1.14%	1.55%	36.35%
<b>Winter Wren</b>	3.13%	2.49%	2.72%	3.69%	35.66%
<b>Cedar Waxwing</b>	11.18%	8.95%	9.06%	12.18%	34.48%
<b>Magnolia Warbler</b>	2.90%	3.48%	3.13%	4.20%	34.04%
<b>Black-throated Green Warbler</b>	2.36%	2.09%	2.07%	2.76%	33.48%
<b>Carolina Wren</b>	41.84%	31.76%	34.47%	45.63%	32.36%
<b>Eastern Phoebe</b>	12.32%	10.20%	9.27%	12.22%	31.85%
<b>Yellow-throated Warbler</b>	0.99%	1.12%	1.20%	1.58%	31.23%
<b>Pine Warbler</b>	3.39%	4.27%	3.96%	5.11%	28.93%
<b>Chestnut-sided Warbler</b>	1.73%	1.86%	1.84%	2.37%	28.67%
<b>Field Sparrow</b>	8.33%	6.31%	7.15%	9.19%	28.48%
<b>Common Raven</b>	1.40%	1.20%	1.17%	1.50%	28.26%
<b>Blue-winged Teal</b>	1.15%	1.10%	1.26%	1.61%	27.71%
<b>Eastern Wood-Pewee</b>	9.35%	9.70%	9.07%	11.51%	26.91%
<b>Wilson's Snipe</b>	1.42%	1.21%	1.41%	1.76%	24.71%
<b>Eastern Towhee</b>	15.51%	14.51%	12.42%	15.47%	24.54%
<b>White-breasted Nuthatch</b>	23.53%	21.38%	19.41%	24.09%	24.13%
<b>Black-capped Chickadee</b>	1.52%	1.74%	1.29%	1.59%	23.31%
<b>Swamp Sparrow</b>	6.69%	5.25%	6.33%	7.74%	22.34%
<b>Baltimore Oriole</b>	4.89%	4.03%	3.93%	4.79%	21.88%
<b>Eastern Bluebird</b>	20.74%	19.02%	19.43%	23.62%	21.58%
<b>Louisiana Waterthrush</b>	2.01%	1.80%	1.83%	2.22%	21.12%
<b>Great Crested Flycatcher</b>	5.98%	6.90%	7.25%	8.75%	20.68%
<b>Red-bellied Woodpecker</b>	32.84%	32.72%	30.31%	36.37%	20.00%
<b>Blue Jay</b>	41.38%	37.65%	32.27%	38.63%	19.71%
<b>Ovenbird</b>	4.66%	4.79%	4.49%	5.36%	19.36%
<b>Tufted Titmouse</b>	37.80%	37.44%	33.41%	39.63%	18.63%
<b>Willow Flycatcher</b>	0.94%	0.96%	0.73%	0.86%	18.28%
<b>Brown Creeper</b>	3.26%	2.69%	2.63%	3.10%	17.80%
<b>Ruby-crowned Kinglet</b>	7.83%	5.81%	5.31%	6.23%	17.40%
<b>Belted Kingfisher</b>	12.11%	10.76%	10.93%	12.80%	17.13%
<b>Barred Owl</b>	2.32%	2.21%	1.93%	2.26%	16.96%
<b>Wood Thrush</b>	7.48%	7.23%	5.75%	6.73%	16.95%

<b>Largest declines in species frequencies from 2010 to 2011 according to eBird data</b>					
	2005-2009 (43,513)	2010 (25,759)	2011 (33,223)	2012 (39,278)	Change from 2011
<b>Canvasback</b>	2.37%	2.25%	2.70%	1.23%	<b>-54.60%</b>
<b>Redhead</b>	1.20%	0.99%	1.62%	0.83%	<b>-48.68%</b>
<b>Greater Scaup</b>	2.13%	1.97%	2.29%	1.21%	<b>-47.26%</b>
<b>Mute Swan</b>	3.06%	2.17%	1.49%	0.84%	<b>-43.39%</b>
<b>Black-bellied Plover</b>	1.42%	1.13%	1.48%	0.96%	<b>-35.27%</b>
<b>Sanderling</b>	1.89%	1.38%	1.87%	1.24%	<b>-33.86%</b>
<b>Snow Goose</b>	1.77%	1.91%	1.49%	1.01%	<b>-32.18%</b>
<b>Bank Swallow</b>	1.21%	1.26%	1.43%	0.98%	<b>-31.69%</b>
<b>Ruddy Turnstone</b>	1.34%	1.06%	1.43%	0.99%	<b>-31.13%</b>
<b>Common Goldeneye</b>	2.63%	2.28%	2.28%	1.63%	<b>-28.55%</b>
<b>Tundra Swan</b>	3.43%	3.52%	3.58%	2.59%	<b>-27.67%</b>
<b>Surf Scoter</b>	2.62%	1.88%	1.87%	1.38%	<b>-25.99%</b>
<b>Semipalmated Plover</b>	1.67%	2.15%	2.28%	1.69%	<b>-25.70%</b>
<b>Tricolored Heron</b>	0.81%	1.26%	1.19%	0.91%	<b>-23.92%</b>
<b>Semipalmated Sandpiper</b>	1.82%	2.72%	2.98%	2.27%	<b>-23.90%</b>
<b>Common Tern</b>	1.58%	1.27%	1.83%	1.40%	<b>-23.42%</b>
<b>Red-breasted Merganser</b>	2.63%	1.94%	2.38%	1.84%	<b>-22.72%</b>
<b>Least Sandpiper</b>	3.23%	4.78%	4.22%	3.26%	<b>-22.65%</b>
<b>Willet</b>	1.30%	1.12%	1.48%	1.17%	<b>-21.25%</b>
<b>Grasshopper Sparrow</b>	1.65%	2.00%	2.66%	2.11%	<b>-20.71%</b>
<b>Common Merganser</b>	2.76%	3.24%	2.56%	2.03%	<b>-20.58%</b>
<b>Royal Tern</b>	2.45%	2.27%	3.09%	2.46%	<b>-20.34%</b>
<b>Forster's Tern</b>	4.51%	4.60%	5.98%	4.78%	<b>-20.14%</b>
<b>Laughing Gull</b>	8.33%	9.20%	11.03%	8.83%	<b>-19.98%</b>
<b>Long-tailed Duck</b>	2.57%	1.96%	1.77%	1.42%	<b>-19.92%</b>
<b>Horned Grebe</b>	2.70%	1.71%	3.16%	2.57%	<b>-18.81%</b>
<b>Pectoral Sandpiper</b>	1.27%	1.95%	1.47%	1.20%	<b>-18.48%</b>
<b>Caspian Tern</b>	2.50%	2.41%	3.40%	2.80%	<b>-17.67%</b>
<b>Eastern Screech-Owl</b>	1.01%	1.26%	1.10%	0.92%	<b>-16.51%</b>
<b>Great Egret</b>	6.55%	7.57%	8.57%	7.19%	<b>-16.16%</b>
<b>American Black Duck</b>	7.10%	7.38%	7.89%	6.64%	<b>-15.91%</b>
<b>Northern Harrier</b>	3.65%	3.91%	4.07%	3.45%	<b>-15.23%</b>
<b>Ring-necked Duck</b>	5.05%	4.58%	5.55%	4.73%	<b>-14.84%</b>
<b>Spotted Sandpiper</b>	3.23%	3.54%	3.71%	3.17%	<b>-14.65%</b>
<b>Brown Pelican</b>	1.69%	1.19%	2.10%	1.79%	<b>-14.62%</b>
<b>Horned Lark</b>	2.65%	3.40%	3.26%	2.79%	<b>-14.50%</b>
<b>Bonaparte's Gull</b>	1.87%	1.19%	1.84%	1.60%	<b>-12.81%</b>
<b>Lesser Yellowlegs</b>	2.82%	3.62%	3.48%	3.04%	<b>-12.72%</b>
<b>Bufflehead</b>	9.39%	8.26%	9.73%	8.51%	<b>-12.59%</b>
<b>Green-winged Teal</b>	3.69%	3.66%	4.54%	3.98%	<b>-12.34%</b>

TAXONOMIC ORDER – ALL SPECIES

Common Name	2005-2009 (43,513)	2010 (25,759)	2011 (33,223)	2012 (39,278)	% Change from 2011
Greater White-fronted Goose	0.16%	0.24%	0.14%	0.09%	-37.65%
Snow Goose	1.77%	1.91%	1.49%	1.01%	-32.18%
Ross's Goose	0.15%	0.11%	0.14%	0.08%	-39.41%
Brant	1.11%	1.09%	1.04%	1.12%	7.93%
Cackling Goose	0.67%	0.69%	0.49%	0.51%	3.25%
Canada Goose	37.71%	37.63%	36.89%	37.19%	0.83%
Mute Swan	3.06%	2.17%	1.49%	0.84%	-43.39%
Tundra Swan	3.43%	3.52%	3.58%	2.59%	-27.67%
Wood Duck	8.51%	8.62%	8.01%	7.93%	-0.96%
Gadwall	2.90%	3.02%	3.59%	3.48%	-3.16%
Eurasian Wigeon	0.18%	0.05%	0.11%	0.13%	21.36%
American Wigeon	3.11%	2.86%	3.25%	3.01%	-7.51%
American Black Duck	7.10%	7.38%	7.89%	6.63%	-15.91%
Mallard	29.54%	29.39%	29.32%	27.98%	-4.55%
Blue-winged Teal	1.15%	1.10%	1.26%	1.61%	27.71%
Northern Shoveler	2.50%	2.44%	3.13%	3.15%	0.78%
Northern Pintail	2.12%	1.66%	1.95%	1.95%	0.15%
Green-winged Teal	3.69%	3.66%	4.54%	3.98%	-12.34%
Canvasback	2.37%	2.25%	2.70%	1.23%	-54.60%
Redhead	1.20%	0.99%	1.62%	0.83%	-48.68%
Ring-necked Duck	5.05%	4.58%	5.55%	4.73%	-14.84%
Greater Scaup	2.13%	1.97%	2.29%	1.21%	-47.26%
Lesser Scaup	3.64%	3.00%	3.30%	3.20%	-3.17%
Common Eider	0.27%	0.41%	0.23%	0.17%	-27.39%
Harlequin Duck	0.16%	0.22%	0.36%	0.15%	-58.25%
Surf Scoter	2.62%	1.88%	1.87%	1.38%	-25.99%
White-winged Scoter	0.60%	0.49%	0.55%	0.31%	-43.73%
Black Scoter	0.97%	0.89%	0.96%	0.62%	-35.79%
Long-tailed Duck	2.57%	1.96%	1.77%	1.42%	-19.92%
Bufflehead	9.39%	8.26%	9.73%	8.51%	-12.59%
Common Goldeneye	2.63%	2.28%	2.28%	1.63%	-28.55%
Hooded Merganser	5.38%	4.97%	5.00%	4.48%	-10.38%
Common Merganser	2.76%	3.24%	2.56%	2.03%	-20.58%
Red-breasted Merganser	2.63%	1.94%	2.38%	1.84%	-22.72%
Ruddy Duck	6.12%	5.87%	5.04%	5.81%	15.19%
Northern Bobwhite	0.67%	0.55%	0.71%	0.64%	-9.42%
Ring-necked Pheasant	0.15%	0.14%	0.09%	0.08%	-6.86%
Ruffed Grouse	0.15%	0.14%	0.09%	0.11%	22.40%
Wild Turkey	1.30%	1.66%	1.73%	1.56%	-9.74%
Red-throated Loon	1.39%	0.88%	0.88%	1.02%	15.55%

Common Loon	4.45%	3.76%	3.62%	3.91%	8.06%
Pied-billed Grebe	4.56%	3.90%	5.64%	6.14%	8.85%
Horned Grebe	2.70%	1.71%	3.16%	2.57%	-18.81%
Red-necked Grebe	0.46%	0.08%	0.22%	0.04%	-81.46%
Eared Grebe	0.18%	0.07%	0.04%	0.01%	-64.86%
Cory's Shearwater	0.07%	0.03%	0.09%	0.02%	-74.69%
Great Shearwater	0.09%	0.03%	0.13%	0.03%	-78.70%
Audubon's Shearwater	0.05%	0.03%	0.05%	0.01%	-73.06%
Wilson's Storm-Petrel	0.16%	0.09%	0.28%	0.11%	-60.48%
Leach's Storm-Petrel	0.02%	0.03%	0.02%	0.05%	153.10%
Band-rumped Storm-Petrel	0.00%	0.03%	0.01%	0.02%	80.38%
Northern Gannet	1.16%	0.76%	1.07%	1.19%	11.51%
Double-crested Cormorant	13.10%	13.22%	16.09%	15.57%	-3.21%
Great Cormorant	0.31%	0.22%	0.37%	0.26%	-29.47%
American White Pelican	0.34%	0.45%	0.30%	0.24%	-21.57%
Brown Pelican	1.69%	1.19%	2.10%	1.79%	-14.62%
American Bittern	0.28%	0.17%	0.22%	0.19%	-12.18%
Least Bittern	0.38%	0.25%	0.38%	0.20%	-47.88%
Great Blue Heron	25.53%	26.16%	26.45%	28.55%	7.94%
Great Egret	6.55%	7.57%	8.57%	7.18%	-16.16%
Snowy Egret	2.87%	3.58%	4.12%	3.72%	-9.77%
Little Blue Heron	1.75%	1.97%	2.73%	2.56%	-6.40%
Tricolored Heron	0.81%	1.26%	1.19%	0.91%	-23.92%
Cattle Egret	1.03%	1.19%	1.41%	1.46%	3.24%
Green Heron	6.09%	5.19%	5.70%	5.62%	-1.33%
Black-crowned Night-Heron	2.25%	1.97%	2.25%	2.45%	8.95%
Yellow-crowned Night-Heron	0.50%	0.46%	0.43%	0.36%	-15.36%
White Ibis	0.10%	0.15%	0.16%	0.10%	-35.17%
Glossy Ibis	1.02%	0.92%	1.19%	1.10%	-7.97%
White-faced Ibis	0.03%	0.01%	0.04%	0.03%	-24.61%
Black Vulture	13.62%	14.10%	13.96%	14.08%	0.88%
Turkey Vulture	34.11%	34.81%	34.30%	34.82%	1.51%
Osprey	11.68%	14.29%	14.46%	13.48%	-6.79%
Mississippi Kite	0.04%	0.05%	0.12%	0.01%	-91.58%
Bald Eagle	12.71%	15.34%	15.64%	16.03%	2.51%
Northern Harrier	3.65%	3.91%	4.07%	3.45%	-15.23%
Sharp-shinned Hawk	4.95%	4.52%	4.13%	3.68%	-10.86%
Cooper's Hawk	6.90%	6.65%	5.40%	4.94%	-8.60%
Red-shouldered Hawk	12.02%	11.31%	10.66%	11.41%	6.99%
Broad-winged Hawk	1.12%	1.32%	0.92%	1.05%	14.65%
Red-tailed Hawk	13.63%	12.49%	11.07%	11.79%	6.47%
Rough-legged Hawk	0.11%	0.10%	0.09%	0.04%	-58.51%
Golden Eagle	0.20%	0.14%	0.12%	0.22%	79.91%
American Kestrel	4.54%	3.55%	3.83%	3.49%	-8.86%

<b>Merlin</b>	0.98%	1.08%	1.27%	1.14%	-10.24%
<b>Peregrine Falcon</b>	1.43%	1.27%	1.41%	1.33%	-5.65%
<b>Black Rail</b>	0.02%	0.06%	0.09%	0.01%	-88.03%
<b>Clapper Rail</b>	0.41%	0.41%	0.40%	0.47%	18.55%
<b>King Rail</b>	0.12%	0.14%	0.19%	0.16%	-13.52%
<b>Virginia Rail</b>	0.74%	0.65%	0.98%	1.05%	6.91%
<b>Sora</b>	0.37%	0.31%	0.45%	0.54%	19.15%
<b>Common Gallinule</b>	0.34%	0.37%	0.33%	0.14%	-57.88%
<b>American Coot</b>	3.58%	2.81%	4.83%	4.31%	-10.77%
<b>Black-bellied Plover</b>	1.42%	1.13%	1.48%	0.96%	-35.27%
<b>American Golden-Plover</b>	0.28%	0.27%	0.41%	0.24%	-41.29%
<b>Semipalmated Plover</b>	1.67%	2.15%	2.28%	1.69%	-25.70%
<b>Piping Plover</b>	0.17%	0.06%	0.15%	0.11%	-27.23%
<b>Killdeer</b>	11.28%	12.33%	9.97%	11.26%	12.94%
<b>American Oystercatcher</b>	1.15%	0.85%	1.26%	1.19%	-5.16%
<b>Black-necked Stilt</b>	0.37%	0.22%	0.39%	0.18%	-53.67%
<b>American Avocet</b>	0.47%	0.37%	0.22%	0.14%	-37.57%
<b>Spotted Sandpiper</b>	3.23%	3.54%	3.71%	3.17%	-14.65%
<b>Solitary Sandpiper</b>	1.99%	2.64%	1.98%	1.91%	-3.63%
<b>Greater Yellowlegs</b>	3.04%	3.73%	3.44%	3.41%	-0.93%
<b>Willet</b>	1.30%	1.12%	1.48%	1.17%	-21.25%
<b>Lesser Yellowlegs</b>	2.82%	3.62%	3.48%	3.04%	-12.72%
<b>Upland Sandpiper</b>	0.18%	0.15%	0.20%	0.14%	-32.20%
<b>Whimbrel</b>	0.21%	0.08%	0.15%	0.11%	-24.38%
<b>Hudsonian Godwit</b>	0.08%	0.04%	0.09%	0.06%	-28.38%
<b>Marbled Godwit</b>	0.18%	0.11%	0.20%	0.17%	-16.20%
<b>Ruddy Turnstone</b>	1.34%	1.06%	1.43%	0.98%	-31.13%
<b>Red Knot</b>	0.18%	0.22%	0.30%	0.16%	-47.82%
<b>Sanderling</b>	1.89%	1.38%	1.87%	1.24%	-33.86%
<b>Semipalmated Sandpiper</b>	1.82%	2.72%	2.98%	2.27%	-23.90%
<b>Western Sandpiper</b>	0.58%	0.52%	0.59%	0.40%	-32.73%
<b>Least Sandpiper</b>	3.23%	4.78%	4.22%	3.26%	-22.65%
<b>White-rumped Sandpiper</b>	0.55%	0.48%	0.64%	0.21%	-67.71%
<b>Baird's Sandpiper</b>	0.19%	0.17%	0.09%	0.16%	81.63%
<b>Pectoral Sandpiper</b>	1.27%	1.95%	1.47%	1.20%	-18.48%
<b>Purple Sandpiper</b>	0.60%	0.48%	0.48%	0.34%	-29.87%
<b>Dunlin</b>	1.59%	1.48%	1.44%	1.55%	7.48%
<b>Stilt Sandpiper</b>	0.56%	0.62%	0.45%	0.30%	-33.82%
<b>Buff-breasted Sandpiper</b>	0.16%	0.19%	0.18%	0.14%	-22.66%
<b>Ruff</b>	0.03%	0.05%	0.01%	0.02%	97.45%
<b>Short-billed Dowitcher</b>	1.20%	0.98%	0.94%	0.75%	-20.53%
<b>Long-billed Dowitcher</b>	0.16%	0.13%	0.07%	0.11%	50.14%
<b>Wilson's Snipe</b>	1.42%	1.21%	1.41%	1.76%	24.71%
<b>American Woodcock</b>	0.53%	0.37%	0.48%	0.52%	8.14%

Wilson's Phalarope	0.15%	0.18%	0.02%	0.08%	303.47%
Red-necked Phalarope	0.22%	0.06%	0.06%	0.10%	65.47%
Red Phalarope	0.03%	0.04%	0.05%	0.13%	162.47%
Black-legged Kittiwake	0.04%	0.01%	0.07%	0.05%	-25.68%
Bonaparte's Gull	1.87%	1.19%	1.84%	1.60%	-12.81%
Black-headed Gull	0.05%	0.13%	0.32%	0.22%	-30.11%
Little Gull	0.08%	0.03%	0.07%	0.02%	-76.95%
Laughing Gull	8.33%	9.20%	11.03%	8.83%	-19.98%
Franklin's Gull	0.05%	0.01%	0.02%	0.01%	-35.39%
Ring-billed Gull	22.77%	21.33%	22.47%	20.18%	-10.20%
Herring Gull	14.63%	15.37%	16.28%	14.57%	-10.48%
Thayer's Gull	0.04%	0.02%	0.00%	0.00%	#DIV/0!
Iceland Gull	0.13%	0.12%	0.17%	0.08%	-50.65%
Lesser Black-backed Gull	0.82%	0.63%	0.89%	0.58%	-34.51%
Glaucous Gull	0.10%	0.05%	0.06%	0.02%	-62.15%
Great Black-backed Gull	9.68%	9.47%	10.42%	9.50%	-8.86%
Least Tern	1.78%	1.71%	2.09%	2.09%	-0.14%
Gull-billed Tern	0.07%	0.03%	0.02%	0.04%	100.88%
Caspian Tern	2.50%	2.41%	3.40%	2.80%	-17.67%
Black Tern	0.47%	0.12%	0.57%	0.20%	-64.86%
Common Tern	1.58%	1.27%	1.83%	1.40%	-23.42%
Arctic Tern	0.00%	0.05%	0.00%	0.01%	#DIV/0!
Forster's Tern	4.51%	4.60%	5.98%	4.78%	-20.14%
Royal Tern	2.45%	2.27%	3.09%	2.46%	-20.34%
Sandwich Tern	0.21%	0.19%	0.31%	0.16%	-49.76%
Black Skimmer	0.34%	0.29%	0.34%	0.43%	26.65%
Pomarine Jaeger	0.02%	0.01%	0.01%	0.08%	664.57%
Parasitic Jaeger	0.04%	0.01%	0.04%	0.02%	-61.89%
Dovekie	0.07%	0.00%	0.03%	0.05%	65.64%
Razorbill	0.09%	0.02%	0.09%	0.15%	65.00%
Rock Pigeon	14.36%	12.07%	11.39%	10.92%	-4.15%
Eurasian Collared-Dove	0.12%	0.01%	0.01%	0.08%	686.81%
Mourning Dove	49.52%	40.34%	34.82%	37.44%	7.53%
Yellow-billed Cuckoo	3.79%	4.31%	4.41%	4.08%	-7.46%
Black-billed Cuckoo	0.33%	0.25%	0.25%	0.20%	-21.63%
Barn Owl	0.14%	0.15%	0.08%	0.07%	-10.91%
Eastern Screech-Owl	1.01%	1.26%	1.10%	0.92%	-16.51%
Great Horned Owl	1.23%	1.15%	1.21%	1.30%	7.63%
Barred Owl	2.32%	2.21%	1.93%	2.26%	16.96%
Long-eared Owl	0.06%	0.01%	0.01%	0.04%	295.74%
Short-eared Owl	0.26%	0.14%	0.32%	0.13%	-59.99%
Northern Saw-whet Owl	0.09%	0.08%	0.05%	0.12%	143.10%
Common Nighthawk	0.69%	0.48%	0.52%	0.43%	-17.96%
Chuck-will's-widow	0.22%	0.29%	0.24%	0.26%	7.44%



Eastern Whip-poor-will	0.17%	0.25%	0.15%	0.16%	9.65%
Chimney Swift	11.03%	11.51%	11.22%	11.32%	0.93%
Ruby-throated Hummingbird	8.50%	7.24%	7.67%	7.20%	-6.18%
Rufous Hummingbird	0.07%	0.10%	0.07%	0.13%	88.51%
Belted Kingfisher	12.11%	10.76%	10.93%	12.80%	17.13%
Red-headed Woodpecker	1.66%	1.12%	1.32%	1.32%	0.26%
Red-bellied Woodpecker	32.84%	32.72%	30.31%	36.37%	20.00%
Yellow-bellied Sapsucker	4.64%	3.94%	3.16%	3.69%	16.80%
Downy Woodpecker	34.69%	30.08%	28.52%	32.70%	14.66%
Hairy Woodpecker	8.58%	7.48%	8.02%	8.32%	3.76%
Northern Flicker	21.21%	19.11%	18.38%	21.33%	16.03%
Pileated Woodpecker	10.35%	9.04%	9.81%	11.46%	16.79%
Olive-sided Flycatcher	0.13%	0.07%	0.13%	0.15%	16.00%
Eastern Wood-Pewee	9.35%	9.70%	9.07%	11.51%	26.91%
Yellow-bellied Flycatcher	0.20%	0.29%	0.07%	0.10%	41.91%
Acadian Flycatcher	5.59%	5.48%	4.99%	5.67%	13.71%
Alder Flycatcher	0.19%	0.19%	0.11%	0.19%	71.72%
Willow Flycatcher	0.94%	0.96%	0.73%	0.86%	18.28%
Least Flycatcher	0.56%	0.52%	0.41%	0.62%	50.25%
Eastern Phoebe	12.32%	10.20%	9.27%	12.22%	31.85%
Great Crested Flycatcher	5.98%	6.90%	7.25%	8.75%	20.68%
Western Kingbird	0.06%	0.01%	0.03%	0.09%	195.86%
Eastern Kingbird	8.78%	8.74%	8.66%	8.53%	-1.52%
Loggerhead Shrike	0.06%	0.05%	0.08%	0.05%	-37.23%
Northern Shrike	0.11%	0.27%	0.12%	0.06%	-46.66%
White-eyed Vireo	5.51%	6.41%	4.77%	5.32%	11.52%
Yellow-throated Vireo	2.28%	2.12%	2.17%	2.15%	-1.06%
Blue-headed Vireo	1.25%	1.24%	0.98%	1.38%	40.70%
Warbling Vireo	1.37%	1.53%	1.34%	1.50%	11.59%
Philadelphia Vireo	0.22%	0.29%	0.20%	0.34%	71.84%
Red-eyed Vireo	10.86%	11.64%	11.56%	13.44%	16.25%
Blue Jay	41.38%	37.65%	32.27%	38.63%	19.71%
American Crow	43.95%	44.03%	43.34%	43.23%	-0.25%
Fish Crow	16.25%	16.20%	16.15%	16.16%	0.09%
Common Raven	1.40%	1.20%	1.17%	1.50%	28.26%
Horned Lark	2.65%	3.40%	3.26%	2.79%	-14.50%
Northern Rough-winged Sw	4.04%	3.65%	3.92%	4.32%	10.23%
Purple Martin	5.01%	4.78%	5.70%	5.83%	2.34%
Tree Swallow	11.08%	11.26%	12.31%	12.31%	-0.04%
Bank Swallow	1.21%	1.26%	1.43%	0.98%	-31.69%
Barn Swallow	14.55%	15.45%	17.21%	16.27%	-5.48%
Cliff Swallow	0.72%	0.77%	0.53%	0.57%	7.86%
Cave Swallow	0.02%	0.01%	0.01%	0.06%	486.09%
Carolina Chickadee	41.63%	38.57%	36.83%	42.56%	15.57%

<b>Black-capped Chickadee</b>	1.52%	1.74%	1.29%	1.59%	23.31%
<b>Tufted Titmouse</b>	37.80%	37.44%	33.41%	39.63%	18.63%
<b>Red-breasted Nuthatch</b>	3.30%	3.31%	1.36%	6.99%	413.84%
<b>White-breasted Nuthatch</b>	23.53%	21.38%	19.41%	24.09%	24.13%
<b>Brown-headed Nuthatch</b>	1.40%	1.86%	2.23%	2.43%	9.00%
<b>Brown Creeper</b>	3.26%	2.69%	2.63%	3.10%	17.80%
<b>Carolina Wren</b>	41.84%	31.76%	34.47%	45.63%	32.36%
<b>House Wren</b>	9.17%	7.66%	6.57%	6.97%	6.12%
<b>Winter Wren</b>	3.13%	2.49%	2.72%	3.69%	35.66%
<b>Sedge Wren</b>	0.20%	0.10%	0.07%	0.12%	66.53%
<b>Marsh Wren</b>	1.61%	1.46%	1.19%	1.23%	3.28%
<b>Blue-gray Gnatcatcher</b>	9.37%	9.92%	8.88%	10.02%	12.84%
<b>Golden-crowned Kinglet</b>	5.50%	4.78%	3.73%	5.66%	51.64%
<b>Ruby-crowned Kinglet</b>	7.83%	5.81%	5.31%	6.23%	17.40%
<b>Eastern Bluebird</b>	20.74%	19.02%	19.43%	23.62%	21.58%
<b>Veery</b>	1.51%	1.12%	1.06%	1.15%	8.67%
<b>Gray-cheeked Thrush</b>	0.31%	0.18%	0.22%	0.18%	-18.03%
<b>Bicknell's Thrush</b>	0.04%	0.02%	0.01%	0.01%	-5.26%
<b>Swainson's Thrush</b>	1.18%	1.09%	0.82%	1.27%	55.14%
<b>Hermit Thrush</b>	3.79%	3.43%	2.79%	3.22%	15.35%
<b>Wood Thrush</b>	7.48%	7.23%	5.75%	6.72%	16.95%
<b>American Robin</b>	41.81%	39.40%	35.78%	38.76%	8.33%
<b>Gray Catbird</b>	20.79%	18.70%	19.19%	19.51%	1.66%
<b>Northern Mockingbird</b>	33.87%	29.72%	28.81%	30.13%	4.57%
<b>Brown Thrasher</b>	7.21%	6.82%	6.42%	6.89%	7.33%
<b>European Starling</b>	40.01%	34.32%	32.41%	31.70%	-2.19%
<b>American Pipit</b>	1.06%	1.20%	0.95%	0.88%	-7.39%
<b>Cedar Waxwing</b>	11.18%	8.95%	9.06%	12.18%	34.48%
<b>Lapland Longspur</b>	0.11%	0.18%	0.09%	0.10%	9.53%
<b>Snow Bunting</b>	0.21%	0.22%	0.25%	0.20%	-19.41%
<b>Ovenbird</b>	4.66%	4.79%	4.49%	5.36%	19.36%
<b>Worm-eating Warbler</b>	1.15%	1.05%	1.16%	1.13%	-2.34%
<b>Louisiana Waterthrush</b>	2.01%	1.80%	1.83%	2.22%	21.12%
<b>Northern Waterthrush</b>	0.85%	0.97%	0.74%	0.84%	13.96%
<b>Blue-winged Warbler</b>	0.54%	0.37%	0.51%	0.74%	44.21%
<b>Golden-winged Warbler</b>	0.12%	0.08%	0.11%	0.13%	13.87%
<b>Black-and-white Warbler</b>	3.67%	3.69%	3.87%	4.12%	6.47%
<b>Prothonotary Warbler</b>	1.65%	1.65%	1.71%	1.76%	2.95%
<b>Tennessee Warbler</b>	0.38%	0.47%	0.60%	0.83%	37.56%
<b>Orange-crowned Warbler</b>	0.09%	0.12%	0.19%	0.26%	37.84%
<b>Nashville Warbler</b>	0.61%	0.67%	0.70%	0.68%	-2.15%
<b>Connecticut Warbler</b>	0.08%	0.12%	0.08%	0.13%	60.50%
<b>Mourning Warbler</b>	0.10%	0.08%	0.06%	0.07%	23.12%
<b>Kentucky Warbler</b>	0.79%	0.66%	0.81%	0.76%	-6.21%

<b>Common Yellowthroat</b>	11.61%	12.58%	13.27%	14.54%	9.57%
<b>Hooded Warbler</b>	1.59%	1.22%	1.18%	1.18%	0.02%
<b>American Redstart</b>	4.80%	5.37%	5.09%	5.85%	14.84%
<b>Cape May Warbler</b>	0.37%	0.35%	0.63%	0.49%	-22.64%
<b>Cerulean Warbler</b>	0.33%	0.28%	0.21%	0.28%	31.48%
<b>Northern Parula</b>	5.69%	5.91%	6.02%	5.74%	-4.69%
<b>Magnolia Warbler</b>	2.90%	3.48%	3.13%	4.20%	34.04%
<b>Bay-breasted Warbler</b>	0.29%	0.36%	0.28%	0.37%	30.48%
<b>Blackburnian Warbler</b>	0.57%	0.51%	0.57%	0.89%	56.69%
<b>Yellow Warbler</b>	3.51%	2.96%	3.12%	3.14%	0.73%
<b>Chestnut-sided Warbler</b>	1.73%	1.86%	1.84%	2.37%	28.67%
<b>Blackpoll Warbler</b>	1.73%	2.31%	2.00%	2.02%	1.19%
<b>Black-throated Blue Warbler</b>	2.30%	2.09%	2.28%	2.42%	6.26%
<b>Palm Warbler</b>	2.67%	2.54%	2.53%	2.69%	6.38%
<b>Pine Warbler</b>	3.39%	4.27%	3.96%	5.11%	28.93%
<b>Yellow-rumped Warbler</b>	11.16%	11.43%	12.37%	11.86%	-4.16%
<b>Yellow-throated Warbler</b>	0.99%	1.12%	1.20%	1.57%	31.23%
<b>Prairie Warbler</b>	1.85%	1.82%	2.14%	2.07%	-3.14%
<b>Black-throated Green Wa</b>	2.36%	2.09%	2.07%	2.76%	33.48%
<b>Canada Warbler</b>	0.57%	0.79%	0.77%	0.77%	-0.10%
<b>Wilson's Warbler</b>	0.27%	0.29%	0.27%	0.30%	12.93%
<b>Yellow-breasted Chat</b>	1.77%	1.90%	2.05%	1.86%	-9.05%
<b>Eastern Towhee</b>	15.51%	14.51%	12.42%	15.47%	24.54%
<b>American Tree Sparrow</b>	0.64%	0.73%	0.53%	0.34%	-35.65%
<b>Chipping Sparrow</b>	13.83%	15.13%	15.20%	17.74%	16.74%
<b>Clay-colored Sparrow</b>	0.08%	0.03%	0.23%	0.13%	-45.44%
<b>Field Sparrow</b>	8.33%	6.31%	7.15%	9.19%	28.48%
<b>Vesper Sparrow</b>	0.36%	0.28%	0.28%	0.41%	46.70%
<b>Lark Sparrow</b>	0.06%	0.01%	0.16%	0.11%	-33.17%
<b>Savannah Sparrow</b>	3.25%	3.18%	3.24%	3.36%	3.62%
<b>Grasshopper Sparrow</b>	1.65%	2.00%	2.66%	2.11%	-20.71%
<b>Henslow's Sparrow</b>	0.21%	0.07%	0.12%	0.25%	107.46%
<b>Nelson's Sparrow</b>	0.07%	0.07%	0.12%	0.08%	-34.57%
<b>Saltmarsh Sparrow</b>	0.24%	0.21%	0.20%	0.17%	-14.10%
<b>Seaside Sparrow</b>	0.62%	0.63%	0.58%	0.57%	-1.85%
<b>Fox Sparrow</b>	2.09%	2.19%	1.60%	1.86%	16.24%
<b>Song Sparrow</b>	33.81%	27.63%	28.11%	29.49%	4.91%
<b>Lincoln's Sparrow</b>	0.58%	0.55%	0.44%	0.70%	59.79%
<b>Swamp Sparrow</b>	6.69%	5.25%	6.33%	7.74%	22.34%
<b>White-throated Sparrow</b>	25.44%	23.52%	21.14%	24.33%	15.09%
<b>White-crowned Sparrow</b>	2.19%	2.35%	1.77%	1.89%	6.87%
<b>Dark-eyed Junco</b>	19.84%	17.13%	16.06%	16.80%	4.62%
<b>Summer Tanager</b>	0.81%	1.05%	1.09%	1.08%	-1.35%
<b>Scarlet Tanager</b>	5.01%	5.04%	5.14%	5.83%	13.37%

<b>Northern Cardinal</b>	55.76%	52.04%	48.73%	52.91%	8.57%
<b>Rose-breasted Grosbeak</b>	1.60%	1.12%	1.14%	1.55%	36.35%
<b>Blue Grosbeak</b>	3.30%	4.17%	5.20%	4.95%	-4.85%
<b>Indigo Bunting</b>	10.33%	11.94%	12.72%	13.39%	5.27%
<b>Dickcissel</b>	0.27%	0.23%	1.04%	0.48%	-54.09%
<b>Bobolink</b>	1.09%	1.20%	1.42%	1.26%	-11.39%
<b>Red-winged Blackbird</b>	29.00%	30.86%	30.01%	29.76%	-0.84%
<b>Eastern Meadowlark</b>	3.09%	2.63%	2.71%	2.61%	-3.80%
<b>Yellow-headed Blackbird</b>	0.01%	0.03%	0.02%	0.03%	60.89%
<b>Rusty Blackbird</b>	1.13%	0.83%	0.87%	0.81%	-6.40%
<b>Common Grackle</b>	28.66%	24.74%	21.16%	20.27%	-4.18%
<b>Boat-tailed Grackle</b>	1.16%	1.16%	1.55%	1.44%	-7.22%
<b>Brown-headed Cowbird</b>	15.23%	12.91%	11.67%	12.79%	9.63%
<b>Orchard Oriole</b>	3.95%	4.47%	4.61%	4.90%	6.34%
<b>Baltimore Oriole</b>	4.89%	4.03%	3.93%	4.79%	21.88%
<b>Purple Finch</b>	2.19%	2.09%	0.70%	2.25%	221.25%
<b>House Finch</b>	30.78%	24.44%	20.66%	21.62%	4.64%
<b>White-winged Crossbill</b>	0.39%	0.02%	0.00%	0.35%	12741.98%
<b>Pine Siskin</b>	2.41%	1.02%	0.60%	2.92%	387.34%
<b>American Goldfinch</b>	41.87%	38.31%	31.56%	36.49%	15.61%
<b>Evening Grosbeak</b>	0.03%	0.01%	0.00%	0.15%	15279.00%
<b>House Sparrow</b>	28.37%	21.56%	17.85%	16.04%	-10.13%

The above table is only for species appearing in all time points. Checklist percentage for all preceding tables is somewhat controlled for seasonal differences in checklist numbers by equally weighting the % in all of ebird's 48 time points. This might not be the best method, but it's the easiest.

### Species Differences between 2011 and 2012

<b>Birds Seen in 2011 but not in 2012</b>	<b>Birds Seen in 2012 but not in 2011</b>
Black-bellied Whistling-Duck	Pink-footed Goose
King Eider	Barnacle Goose
White-tailed Tropicbird	Tufted Duck
Wood Stork	Western Grebe
Neotropic Cormorant	Swainson's Hawk
Northern Goshawk	Yellow Rail
Purple Gallinule	Sandhill Crane
Long-billed Curlew	Sabine's Gull
Sooty Tern	Atlantic Puffin
Bridled Tern	Virginia's Warbler
Roseate Tern	Western Tanager
South Polar Skua	Painted Bunting
Long-tailed Jaeger	Red Crossbill
Green Violetear	
Bell's Vireo	
Black-throated Gray Warbler	
Townsend's Warbler	
Golden-crowned Sparrow	
Black-headed Grosbeak	