

Bird Relative Diversity

Common Name	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Total
American Crow		X			X		2
American Goldfinch					X		1
American Robin					X		1
Black-capped Chickadee				X	X		2
Blackburnian Warbler					X		1
Blue Jay					X		1
Canada Goose					X	X	2
Carolina Wren					X		1
Cedar Waxwing					X		1
Common Grackle		X					1
Common Yellow-throat		X					1
Cooper's Hawk		X					1
Dark-eyed Junco					X		1
Double-crested Cormorant					X		1
Downy Woodpecker						X	1
Eastern Phoebe		X					1
Gray Catbird		X		X	X		3
Great Black-backed Gull					X		1
Great-crested Flycatcher					X		1
Herring Gull					X		1
House Finch					X		1
House Sparrow						X	1
House Wren					X		1
Mourning Dove					X		1
Northern Cardinal					X		1
Northern Mockingbird		X					1
Osprey					X		1
Red-tailed Hawk					X		1
Ring-billed Gull					X		1
Rock Dove						X	1
Ruby-throated Hummingbird					X		1
Song Sparrow		X					1
Tree Swallow					X		1
Tufted Titmouse					X		1

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Common Name	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Total
Turkey Vulture						X	1
TOTALS	0	8	0	2	25	5	40
PERCENTAGES	0	20	0	5	62	12	100

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Biodiversity Measure	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Species Richness (S)	0	8	0	2	25	5
Simpson's Index (D)	0.0000	0.1250	0.0000	0.5000	0.0400	0.2000
Simpson's Index of Diversity (1-D)	1.0000	0.8750	1.0000	0.5000	0.9600	0.8000
Simpson's Reciprocal Index (1/D)	0.00	8.00	0.00	2.00	25.00	5.00
Shannon-Wiener Index (H)	0.0000	2.0794	0.0000	0.6931	3.2189	1.6094
Evenness (E)	0.0000	1.0000	0.0000	0.9999	1.0000	1.0000

Note: For zones where (S) is less than 2, calculations which provide divide by zero or logarithm errors are represented as zero above.